

Hepatitis A Outbreak Update

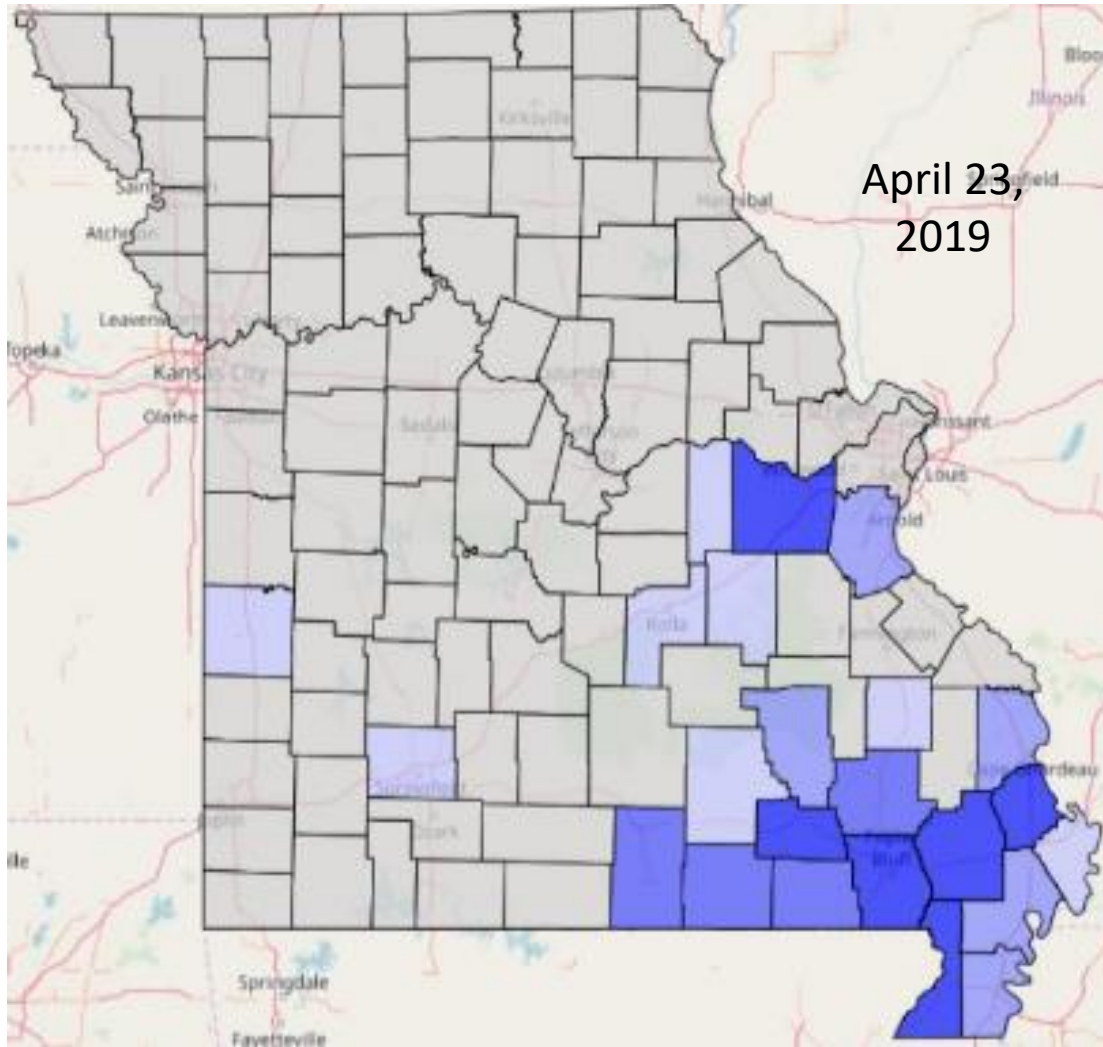
Bureau of Immunizations

Bureau of Communicable Disease Control and Prevention

Division of Community and Public Health

April 24, 2019

Hepatitis A Outbreak



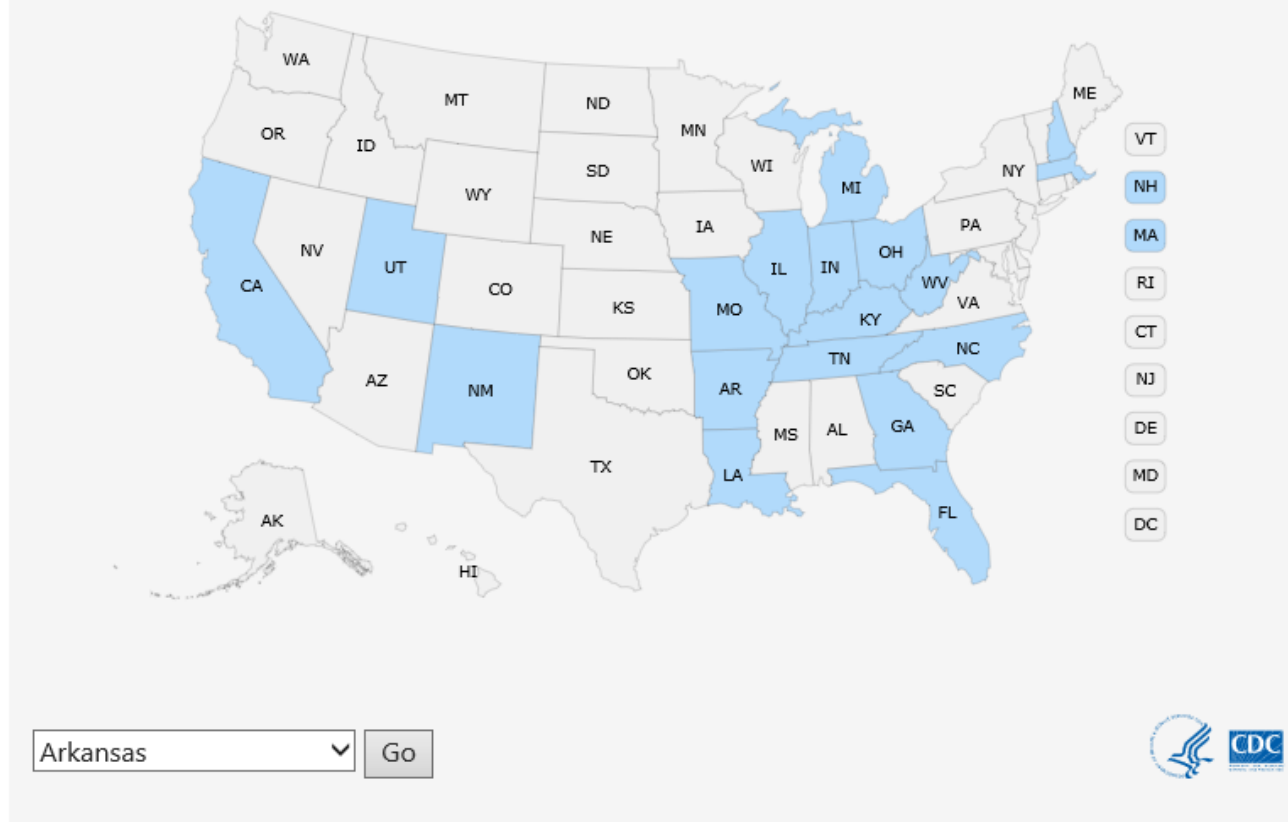
By the Numbers

As of April 23, 2019

- Total Missouri Cases: 283
- Hospitalizations: 141
- Deaths: 1
- Counties Affected: 24
- Risk Groups
 - Drug Use: 169 (60%)
- Food handlers: 12 (4%)

National Picture

State-Specific Hepatitis A Outbreak Information - click for state's website



<https://www.cdc.gov/hepatitis/outbreaks/2017March-HepatitisA.htm>

Compare and Contrast, Kentucky



KENTUCKY
Cabinet for Health and
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INFECTIOUS DISEASE BRANCH

Hepatitis A Outbreak

Overview

In November 2017, the Kentucky Department for Public Health (DPH) identified an outbreak of acute hepatitis A. The increase in cases observed in Kentucky was well over the 10-year average of reported hepatitis A cases. Several cases have been infected with HAV strains genetically linked to outbreaks in California, Utah and Michigan. Similar to hepatitis A outbreaks in other states, the primary risk factors remain illicit drug use and homelessness. A contaminated food source has not been identified and transmission is believed to be occurring through person-to-person contact.

Hepatitis A Outbreak Status

Counts as of April 6, 2019

Total Outbreak: **4,504**

Hospitalizations: **2,175**

Deaths: **53**

Notice: In accordance with [902 KAR 2:020](#), cases of acute hepatitis A should be reported within 24 hours. Weekly updates on Kentucky outbreak are

Costs of the Outbreak

- Hepatitis A-related hospitalization = >\$10,000 per person
- Hepatitis A-related outpatient visit = >\$150 per visit
- Public Health Personnel Cost = \$3,221 per case
 - Epidemiologists
 - Environmental Health Specialists
 - Public Health Nursing
 - Physician
 - Laboratory
 - Administrative support
 - Communications or media

Table 4 – Public health personnel hours expended in response to outbreak of hepatitis A illness associated with imported pomegranate arils — multiple states, 2013.

Job category	Hours	Estimated cost
Epidemiologists and environmental health specialists	3277	\$104,497
Executive, director, or manager	2169	\$94,831
Public health nursing	2752	\$87,616
Physician	1147	\$103,203
Laboratory	70	\$2275
Administrative support	752	\$11,570
Communications or media	246	\$5114
Totals	10,413	\$409,106
Per case (for 127 cases in five states ^a reporting personnel hours)	82	\$3221

^a States reporting public health agency personnel hours included: New Mexico, Colorado, Arizona, Nevada, and California (10 of 21 local agencies with outbreak cases).

Epson, E. E., et al. "Risk factors for hospitalisation and associated costs among patients with hepatitis A associated with imported pomegranate arils, United States, 2013." *Public health* 136 (2016): 144-151.

Prevention vs. Response

- Currently have over 10,000 doses of adult 317 hepatitis A
- Any and ALL local public health agencies are able to order adult 317 hepatitis A to pre-emptively vaccinate the at-risk population
- Revised 317 policy is currently being reviewed
- Kentucky's Outbreak
 - Over 4,500 cases
 - Over 2,100 hospitalizations
 - Over 50 deaths
- Please contact your Vaccines for Children Liaison with questions about ordering vaccine.

At-Risk Populations

- Someone who uses drugs
- Someone who is homeless
- A man who has sex with men
- Someone who is in treatment or counseling for substance abuse
- Someone who is receiving drug substitution and/or drug court
- Someone who works or has been detained in jail or detention center
- And their close contacts

Please do **NOT** Mass Vaccinate

- Food workers
- First responders that are responding to flooding or other disasters

Resources

- CDC's website:
<https://www.cdc.gov/hepatitis/outbreaks/2017March-HepatitisA.htm>
- Missouri's website:
<https://health.mo.gov/living/healthcondiseases/communicable/hepatitisa/index.php#outbreak>

Questions??

Jennifer.VanBooven@health.mo.gov

573-526-6643